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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,588	07/12/2001	Yoshikado Sanemitsu	50006-111	9436
7	10/01/2003		EXAM	INER
	ΓT, WILL & EMERY		KIM, Al	нѕнік
600 13th Street WASHINGTO	t, N.W. N, DC 20005-3096		ART UNIT	PAPER NUMBER

2876

DATE MAILED: 10/01/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

		$\blacksquare$ M/	
	Application No.	Applicant(s)	
	09/902,588	SANEMITSU, YOSHIKAI	DO
Office Action Summary	Examiner	Art Unit	
	Ahshik Kim	2876	·
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet w	ith the correspondence address	••
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut - Any reply received by the Office later than three months after the mailir earned patent term adjustment. See 37 CFR 1.704(b).  Status	.136(a). In no event, however, may a ply within the statutory minimum of thin will apply and will expire SIX (6) MOI te, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communications BANDONED (35 U.S.C. § 133).	ation.
1) Responsive to communication(s) filed on 13	June 2003 .		
2a) This action is <b>FINAL</b> . 2b) ∑ Ti	his action is non-final.		
Since this application is in condition for allow closed in accordance with the practice under Disposition of Claims			its is
4)⊠ Claim(s) <u>1-4</u> is/are pending in the application	ı <b>.</b>		
4a) Of the above claim(s) is/are withdra	awn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-4</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9) The specification is objected to by the Examine			
10)☐ The drawing(s) filed on is/are: a)☐ acce			
Applicant may not request that any objection to the	- · · · · · · · · · · · · · · · · · · ·	• •	
11) The proposed drawing correction filed on		isapproved by the Examiner.	
If approved, corrected drawings are required in re 12) The oath or declaration is objected to by the Ex			
Priority under 35 U.S.C. §§ 119 and 120	Admirior.		
13) Acknowledgment is made of a claim for foreig	un priority under 35 H S C	8 110(a) (d) or (f)	
a) ☐ All b) ☐ Some * c) ☐ None of:	in priority under 55 0.5.6.	3 119(a)-(d) or (i).	
a) ☐ All b) ☐ Some c) ☐ None of.  1. ☐ Certified copies of the priority documen	ts have been received		
Certified copies of the priority document      Certified copies of the priority document		polication No	
Copies of the certified copies of the prior		···	
application from the International Bu  * See the attached detailed Office action for a list	ureau (PCT Rule 17.2(a)).	_	•
14) Acknowledgment is made of a claim for domest	tic priority under 35 U.S.C.	§ 119(e) (to a provisional applic	cation).
<ul> <li>a) ☐ The translation of the foreign language prediction</li> <li>15)☐ Acknowledgment is made of a claim for domes</li> </ul>	- · · · · · · · · · · · · · · · · · · ·		
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)	<u></u> .

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### **DETAILED ACTION**

#### Amendment

1. Receipt is acknowledged of the amendment filed on June 13, 2003. In the amendment, claim 5 was canceled, and claim 4 was amended. Currently, claims 1-4 remain for examination.

## Claim Rejections - 35 USC § 102

- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
- A person shall be entitled to a patent unless
  - (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
  - 3. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Wada et al. (US 6,602,734).
- Wada teaches a method of manufacturing semiconductor device (see abstract) such as BGA (ball grid array) type device, LGA (land grid array and mini-cards (col. 7, lines 50-56) comprising steps of providing a base substrate including a plurality of individual substrates connected together as shown in figures 1 and 2; mounting a semiconductor chips 12 on the substrate (see figure 8; col. 5, lines 45+); covering the substrate with upper layer 14, 15a (see figures 10 and 11; col. 5, lines 63+); and cutting the substrate producing a plurality of individual semiconductor pieces 20 (see figure 14; col. 6, lines 34+).

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## Response to Arguments

4. The Applicant's amendment and argument filed on June 13, 2003 have been carefully reviewed.

In responding to the Applicant's argument, it is the Examiner's opinion that previous

Office Action citing the Kim patent and the Ferguson patent still read on the claimed invention.

The Examiner also considers that such modification (Kim in view of Ferguson) would have been obviously contemplated by one ordinary skill in the art. However, upon further search, a new reference is cited because the embodiment disclosed in the new reference appears to be more similar to what is claimed in instant application. Examiner notes that the Applicant did not change the claims in the outstanding amendment to warrant updated search and consideration.

Accordingly, this Office Action is made non-final.

#### Conclusion

- I. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Wada (JP 2001156217) disclose mini-cards and the method for making mini-cards.
  - II. Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Ahshik Kim* whose telephone number is (703)305-5203. The examiner can normally be reached between the hours of 6:00AM to 3:00PM Monday thru Friday.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (703) 305-3503. The fax number directly to the Examiner is (703) 746-4782. The fax phone number for this Group is (703)308-7722, (703)308-7724, or (703)308-7382.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [ahshik.kim@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly

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signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Ahshik Kim

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Patent Examiner

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September 3, 2003

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